



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

156

Applicant: CARLSON
Serial No.: 10/706,505
Filed: NOVEMBER 11, 2003
Confirmation No.: 7224
Due Date: JUNE 27, 2004
Title: ARTIFICIAL RECEPTORS, BUILDING BLOCKS, AND METHODS

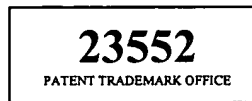
Examiner: UNKNOWN
Group Art Unit: 1714
Docket: 14095.1USC5
Customer No.: 23552

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 22, 2004.

By: Sheryl A. Boerboom
Name: Sheryl A. Boerboom

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Supplemental Information Disclosure Statement, Form 1449, 9 Reference(s), Copy of International Search Report
- ☒ Return postcard

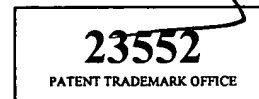
Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Date: June 22, 2004

Mark T. Skoog
Mark T. Skoog
Reg. No. 40,178
MTS:sab





S/N 10/706,505

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant: | CARLSON | Examiner: | UNKNOWN |
| Serial No.: | 10/706,505 | Group Art Unit: | 1714 |
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By: 
Name: Sheryl A. Boerboom

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. § 1.98(a)(2). Because this application was filed after June 30, 2003, copies of the U.S. Patents and U.S. patent publications listed on the enclosed Form 1449 are not provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

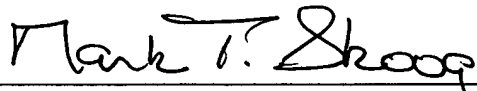
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

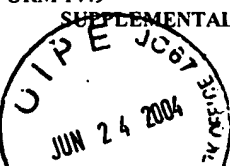
Respectfully submitted,

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Minneapolis, Minnesota 55402-0903
(612) 332-5300

Date: June 22, 2004


Mark T. Skoog
Reg. No. 40,178
MTS:sab



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| FORM 1449* SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.1USC5 | Application Number: 10/706,505 |
| | Applicant: CARLSON | |
| | Filing Date: NOVEMBER 11, 2003 | Group Art Unit: 1714 |

| U.S. PATENT DOCUMENTS | | | | | | |
|--|-----------------|---|-----------------|-------|----------|----------------------------|
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | 5,225,374 | 06/06/93 | Fare et al. | | | |
| | 5,281,539 | 01/25/94 | Schramm | | | |
| | 6,297,059 B1 | 10/02/01 | Song et al. | | | |
| | 6,316,268 B1 | 11/13/01 | Yang et al. | | | |
| | 6,489,093 B1 | 12/03/02 | Jacobsen et al. | | | |
| | 2003/0104360 A1 | 06/05/03 | Still et al. | | | |
| | 6,627,396 B1 | 09/30/03 | Swanson et al. | | | |
| | 6,699,719 B2 | 03/02/04 | Yamazaki et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| | | "Various Search Reports," 73 pages (2004) | | | | |
| | | Burns, C. et al., "Components for Tethered Bilayer Membranes: Synthesis of Hydrophilically Substituted Phytanol Derivatives", <i>Aust. J. Chem.</i> , Vol. 54, pp. 431-438 (2001) | | | | |
| | | Francis, M. et al., "Combinatorial Approach to the Discovery of Novel Coordination Complexes", <i>J. Am. Chem. Soc.</i> , Vol. 37, No. 118, pp. 8983-8984 (1996) | | | | |
| | | Goodman, M. et al., "A Combinatorial Library Approach to Artificial Receptor Design", <i>J. Am. Chem. Soc.</i> , Vol. 117, No. 46, pp. 11610-11611 (1995) | | | | |
| | | Halter, M. et al., "Engineered Lipids That Cross-Link the Inner and Outer Leaflets of Lipid Bilayers", <i>Langmuir</i> , Vol. 20, No. 6, pp. 2416-2423 (2004) | | | | |

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| EXAMINER | DATE CONSIDERED |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | |

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| FORM 1449* SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.1USC5 | Application Number: 10/706,505 |
| | Applicant: CARLSON | |
| | Filing Date: NOVEMBER 11, 2003 | Group Art Unit: 1714 |

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| | | Leigh, D., "Summing Up Ligand Binding Interactions", <i>Chemistry & Biology</i> , Vol. 10, pp. 1143-1144 (December, 2003) |
| | | Malin, R. et al., "Identification of Technetium-99m Binding Peptides Using Combinatorial Cellulose-Bound Peptide Libraries", <i>J. Am. Chem. Soc.</i> , Vol. 117, No. 47, pp. 118821-118822 (1995) |
| | | Sasaki, D., "Control of Membrane Structure and Organization Through Chemical Recognition", <i>Cell Biochemistry and Biophysics</i> , Vo. 39, pp. 145-161 (2003) |
| | | Song, X, "Direct, Ultrasensitive, and Selective Optical Detection of Protein Toxins Using Multivalent Interactions", <i>Anal. Chem.</i> , Vol. 71, No. 11, pp. 2097-2107 (June 1, 1999) |
| | | Copy of International Search Report dated May 27, 2004 |



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|---|-----------------|
| EXAMINER | DATE CONSIDERED |
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